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RAW SEQUENCE LISTING   DATE: 07/10/2002
PATENT APPLICATION: US/09/522,278B   TIME: 15:39:37

#19

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF3\07102002\I522278B.raw

ENTERED

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 3 <110> APPLICANT: PHOGEN, LIMITED
 4       O'Hare, Peter Francis Joseph
 5       Normand, Nadia Michelle
 7 <120> TITLE OF INVENTION: DELIVERY OF SUBSTANCES TO CELLS
 9 <130> FILE REFERENCE: 5759-54451
11 <140> CURRENT APPLICATION NUMBER: US 09/522,278B
12 <141> CURRENT FILING DATE: 2000-03-09
14 <150> PRIOR APPLICATION NUMBER: GB 9930499.0
15 <151> PRIOR FILING DATE: 1999-12-24
17 <150> PRIOR APPLICATION NUMBER: GB 9905444.7
18 <151> PRIOR FILING DATE: 1999-03-10
20 <160> NUMBER OF SEQ ID NOS: 12
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 20
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Oligonucleotide primer
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38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Oligonucleotide primer
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45 tcctcgccct tgctcaccat ggtggcgacc ggtggatccc                  40
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49 <211> LENGTH: 20
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
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61 <211> LENGTH: 25
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Oligonucleotide primer
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69 accatggtgg cgaccggtgg atccc                                          25
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 20
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
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80 <400> SEQUENCE: 5
81 cccttgctca ccatggtggc                                                20
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85 <211> LENGTH: 20
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Oligonucleotide primer
92 <400> SEQUENCE: 6
93 cccccaccac ttcccctctc                                                20
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 131
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Oligonucleotide primer
104 <400> SEQUENCE: 7
105 gatcctatgg ggcaggtggg acggcagctc gccatcatcg gggacgacat caaccgacgc    60
107 tatcgggatc ccgatagcgt cggttgatgt cgtccccgat gatggcgagc tgccgtccca   120
109 cctgccccat g                                                        131
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113 <211> LENGTH: 36
114 <212> TYPE: RNA
115 <213> ORGANISM: Artificial Sequence
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118 <223> OTHER INFORMATION: Oligonucleotide primer
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121 guuuucccug augaggccga aaggccgaaa uucucc                              36
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139 <213> ORGANISM: Artificial Sequence
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151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Oligonucleotide primer
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161 <211> LENGTH: 301
162 <212> TYPE: PRT
163 <213> ORGANISM: herpes simplex virus 1
165 <400> SEQUENCE: 12
167 Met Thr Ser Arg Arg Ser Val Lys Ser Gly Pro Arg Glu Val Pro Arg
168 1               5                   10                  15
171 Asp Glu Tyr Glu Asp Leu Tyr Tyr Thr Pro Ser Ser Gly Met Ala Ser
172             20                  25                  30
175 Pro Asp Ser Pro Pro Asp Thr Ser Arg Arg Gly Ala Leu Gln Thr Arg
176         35                  40                  45
179 Ser Arg Gln Arg Gly Glu Val Arg Phe Val Gln Tyr Asp Glu Ser Asp
180     50                  55                  60
183 Tyr Ala Leu Tyr Gly Gly Ser Ser Ser Glu Asp Asp Glu His Pro Glu
184 65                  70                  75                  80
187 Val Pro Arg Thr Arg Arg Pro Val Ser Gly Ala Val Leu Ser Gly Pro
188             85                  90                  95
191 Gly Pro Ala Arg Ala Pro Pro Pro Ala Gly Ser Gly Gly Ala Gly
192             100                 105                 110
195 Arg Thr Pro Thr Thr Ala Pro Arg Ala Pro Arg Thr Gln Arg Val Ala
196         115                 120                 125
199 Thr Lys Ala Pro Ala Ala Pro Ala Ala Glu Thr Thr Arg Gly Arg Lys
200     130                 135                 140
203 Ser Ala Gln Pro Glu Ser Ala Ala Leu Pro Asp Ala Pro Ala Ser Thr
204 145                 150                 155                 160
207 Ala Pro Thr Arg Ser Lys Thr Pro Ala Gln Gly Leu Ala Arg Lys Leu
208             165                 170                 175
211 His Phe Ser Thr Ala Pro Pro Asn Pro Asp Ala Pro Trp Thr Pro Arg
212             180                 185                 190
215 Val Ala Gly Phe Asn Lys Arg Val Phe Cys Ala Ala Val Gly Arg Leu
216         195                 200                 205
219 Ala Ala Met His Ala Arg Met Ala Ala Val Gln Leu Trp Asp Met Ser
220     210                 215                 220
223 Arg Pro Arg Thr Asp Glu Asp Leu Asn Glu Leu Leu Gly Ile Thr Thr
224 225                 230                 235                 240
227 Ile Arg Val Thr Val Cys Glu Gly Lys Asn Leu Leu Gln Arg Ala Asn
228             245                 250                 255
231 Glu Leu Val Asn Pro Asp Val Val Gln Asp Val Asp Ala Ala Thr Ala
```

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232            260                265                270
235  Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr Glu Arg Pro Arg Ala
236          275                280                285
239  Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro Val Glu
240          290                295                300
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